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**Claims**

Claim 1. (Amended) A method of frequency response measurement comprising the steps of:

- creating a windowed complex sinusoid ~~window~~ at a particular frequency;
- correlating an input sinusoidal test signal with the windowed complex sinusoid ~~window~~ to produce a complex correlation magnitude signal;
- thresholding the complex correlation magnitude signal as a function of a percentage of a maximum value for the complex correlation magnitude signal;
- finding a centroid of the thresholded complex correlation magnitude signal; and
- determining the frequency response at the particular frequency as a magnitude of the complex correlation magnitude signal at the centroid.